COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:		
This declaration is o	f the following type:	
L J		
	INVENTORSHIP IDENTIFICATION	
My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:		
	TITLE OF INVENTION	
"MONITORING DIMENSIONS OF FEATURES AT DIFFERENT LOCATIONS IN THE PROCESSING OF SUBSTRATES"		
	SPECIFICATION IDENTIFICATION	
The specification of	which:	
[X] is at	tached hereto	
or [filed on, under Serial No, executed on even date herewith;] Express Mail No (as Serial No. not yet known) and was amended (if applicable)	
	described and claimed in PCT International Application filed on and as amended ar PCT Article 19 on (if any).	

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

[X] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR § 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code § 119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Joseph Bach	Registration No. 37,771
Ashok K. Janah	Registration No. 37,487
Raymond Kam-On Kwong	Registration No. 37,165
Robert W. Mulcahy	Registration No. 25,436
Loretta Peters	Registration No. 43,855
Peter J. Sgarbossa	Registration No. 25,610
James C. Wilson	Registration No. 35,412

Send correspondence to:

Direct telephone calls to:

Applied Materials, Inc.
Patent Department, M/S 2061
P.O. Box 450A
Santa Clara, CA 95052

Ashok K. Janah (415) 538-1555

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to b true; and, further, that these statements were mad with the knowledge that willful false statements and th like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or s	ole inventor: Barnes, Michael	
Inventor's signature	mel	
Residence: Post Office Address:	San Ramon, CA 12215 Santa Teresa Drive San Ramon, CA 94583 U.S.A.	Country of Citizenship: U.S.A.
Full name of second i	nventor: Holland, John	
Inventor's signature:	Low Phil	
Residence: Post Office Address	San Jose, CA 1565 Calaveras Avenue San Jose, CA 95126 U.S.A.	Country of Citizenship: U.S.A.
Full name of third inve	entor: Shan, Hongqing	
Inventor's signature:		Date:
Residence: Post Office Address:	Cupertino, California 1369 South Stelling Road Cupertino, California 95014 U.S.A.	Country of Citizenship: U.S.A.
Full name of fourth in	ventor: Pu, Bryan Y.	
Inventor's signature:	Beyanth	Date:7/30/o3
Residence: Post Office Address:	San Jose, CA 3064 Rosato Court San Jose, CA 95135 U.S.A.	
		Country of Citizenship: China

Full name of fifth inventor: Jain, Mohit Date: Inventor's signature: Residence: San Jose, CA 4754 San Tropico Court Post Office Address: San Jose, CA 95135 U.S.A. Country of Citizenship: India Full name of sixth inventor: Sui, Zhifeng Inventor's signature: Fremont, California Residence: 41706 Covington Drive Post Office Address: Fremont, California 94539 U.S.A. Country of Citizenship: U.S.A. Full name of seventh inventor: Armacost, Michael D. Inventor's signature: Residence: Post Office Address: 6577 Springpath Lane San Jose, CA 95120 U.S.A. Country of Citizenship: U.S.A. Full name of eighth inventor: Hanson, Neil E. Inventor's signature: Santa Clara, CA Residence: 1610 Nantucket Circle, #117 Post Office Address: Santa Clara, CA 95014 U.S.A. Country of Citizenship: United Kingdom Full name of ninth inventor: Ma, Diana Xiaobing Inventor's signature: < Residence: Saratoga, CA Post Office Address: 19600 Kilt Court Saratoga, CA 95070 U.S.A.

Country of Citizenship: U.S.A.

Full name of tenth inventor: Sinha, Ashok K. Inventor's signature: Residence: Palo Alto, CA Post Office Address: 4176 Hubbartt Drive Palo Alto, CA 94306 U.S.A. Country of Citizenship: U.S.A. Full name of eleventh inventor: Maydan, Dan Inventor's signature: Residence: Los Áltos Hills, CA Post Office Address: 12000 Murietta Lane Los Altos Hills, CA 94022

U.S.A.

Country of Citizenship: U.S.A.

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-	nam d inv ntor, I hereby declar that:
This declara	tion is of the following type:
[X] [] []	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
am the origin	e, post office address, and citizenship are as stated below next to my name. I believe I hal, first and sole inventor (if only one name is listed below) or an original, first, and joint lural names are listed below) of the subject matter which is claimed and for which a hight on the invention entitled:
	TITLE OF INVENTION
"MOI	NITORING DIMENSIONS OF FEATURES AT DIFFERENT LOCATIONS IN THE PROCESSING OF SUBSTRATES"
	SPECIFICATION IDENTIFICATION
The specifica	ation of which:
[X]	is attached hereto
[]	was filed on, under Serial No, executed on even date herewith or [] Express Mail No (as Serial No. not yet known) and was amended on (if applicable)
[]	was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on (if any).
	ACKNOW! FROMENT OF REVIEW OF RARERO AND RUTY OF CANDOR

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[X] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR § 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

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nat of	tne appi	ication(s)	of which phonty is cia	iiieu.				
	[X]	No such a	applications have bee	n filed.				
	[]	Such app	lications have been fi	led as fol	lows:			
A.	Prior fo	oreign/PC plication,	T application(s) filed and any priority cla	d within ' ims und	12 months (6 mo er 35 U.S.C. § 11	onths 19:	for design) prior to	
	Cou	ntry/PCT	Application No.	D	ate Filed	!	Priority Claimed	
							Priority Claimed [] Yes [] No	
В.	All fore	eign appli U.S. appl	cation(s), if any, file ication:	d more t	han 12 months ((6 mc	onths for design) prio	r
	Countr Applica Filing o	ation No:						
			PRIORITY CL	_AIM (35	U.S.C. § 120)			
application application discloss United examination of the control	ation(s) of the color of the co	or PCT int nd, insofar at/those p Code, § 1 f this appli caminer wo ent) which	as the subject matter rior application(s) in the 12, I acknowledge the cation (namely, inforn buld consider it import	(s) design of each one me manned duty to con mation wh cant in dece e filing da	nating the United of the claims of the provided by the lisclose informati ere there is subs ciding whether to	State his ap first on th stantia	es of America that is/ar plication is not paragraph of Title 35, at is material to the al likelihood that a	
	[X]	No such	applications have bee	en filed.				
	[]	Such ap	plications have been t	filed as fo	llows:			
	<u>Serial</u> (None		Filing Date	<u>Patente</u>	<u>d</u> <u>Pending</u>		<u>Abandoned</u>	

POWER OF ATTORNEY

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Joseph Bach	Registration No. 37,771
Ashok K. Janah	Registration No. 37,487
Raymond Kam-On Kwong	Registration No. 37,165
Robert W. Mulcahy	Registration No. 25,436
Loretta Peters	Registration No. 43,855
Peter J. Sgarbossa	Registration No. 25,610
James C. Wilson	Registration No. 35,412

Send correspondence to:

Direct telephone calls to:

Applied Materials, Inc. Patent Department, M/S 2061 P.O. Box 450A Santa Clara, CA 95052 Ashok K. Janah (415) 538-1555

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so mad are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or s	ole inventor: Barnes, Michael	
nventor's signature		Date:
Residence: Post Office Address:	San Ramon, CA 12215 Santa Teresa Drive San Ramon, CA 94583 U.S.A.	Country of Citizenship: U.S.A.
Full name of second i	inventor: Holland, John	
Inventor's signature:_		Date:
Residence: Post Office Address:	San Jose, CA 1565 Calaveras Avenue San Jose, CA 95126 U.S.A.	Country of Citizenship: U.S.A.
Full name of third inv	entor: Shan, Hongqing	Date:
Residence: Post Office Address:	Cupertino, California 1369 South Stelling Road Cupertino, California 95014 U.S.A.	Country of Citizenship: U.S.A.
Full name of fourth ir	nventor: Pu, Bryan Y.	
Inventor's signature:_		Date:
Residence: Post Office Address:	San Jose, CA 3064 Rosato Court San Jose, CA 95135 U.S.A.	Country of Citizenship: China

Inventor's signature:_		Date:
Residence:		Country of Citizenship: India
Full name of sixth inv	rentor: Sui, Zhifeng	
Inventor's signature:_	Fremont, California	Date:
	Fremont, California 41706 Covington Drive Fremont, California 94539 U.S.A.	Country of Citizenship: U.S.A.
Full name of seventh	inventor: Armacost, Michael D.	
		Date:
Residence: Post Office Address:	San Jose, CA 6577 Springpath Lane San Jose, CA 95120 U.S.A.	Country of Citizenship: U.S.A.
Full name of eighth i	nventor: Hanson, Neil E.	
Inventor's signature:_ Residence:		Date:
Residence: Post Office Address:	Santa Clara, CA 1610 Nantucket Circle, #117 Santa Clara, CA 95014 U.S.A.	Country of Citizenship: United Kingdom
Full name of ninth in	ventor: Ma, Diana Xiaobing	
Inventor's signature:		Date:
Residence: Post Office Address:	Saratoga, CA 19600 Kilt Court Saratoga, CA 95070 U.S.A.	
	J.J.A.	Country of Citizenship: U.S.A.

Full name of tenth inv	rentor: Sinha, Ashok K.	
Inventor's signature:_		Date:
Residence: Post Office Address:	Palo Alto, CA 4176 Hubbartt Drive Palo Alto, CA 94306 U.S.A.	Country of Citizenship: U.S.A.
Full name of eleventh	ı inventor: Maydan, Dan	
Inventor's signature:_		Date:
Residence: Post Office Address:	Los Altos Hills, CA 12000 Murietta Lane Los Altos Hills, CA 94022 U.S.A.	Country of Citizenship: U.S.A.

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor	r, I hereby declare tha	t:
---------------------------	-------------------------	----

[X]	original
[]	divisional
[]	continuation
ĺĺ	continuation-in-part

This declaration is of the following type:

INVENTORSHIP IDENTIFICATION

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"MONITORING DIMENSIONS OF FEATURES AT DIFFERENT LOCATIONS IN THE PROCESSING OF SUBSTRATES"

SPECIFICATION IDENTIFICATION

The specification of which:

[X]	is attached hereto			
1	or [] Express Mail No	Serial No, executed (as Serial No. not yet kno pplicable)		
[]	was described and claimed in PCT International Application			
	No	filed on	and as amended	
	under PCT Article 19 on	(if any).		

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PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code § 119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

nation the application (e) of times provide a						
	[X] No such applications have been filed.					
	[]	Such app	olications have been fi	ed as follows	:	
۹.	Prior foreign/PCT application(s) filed within 12 months (6 months for design) prior to this application, and any priority claims under 35 U.S.C. § 119:					
	Cou	ntry/PCT	Application No.	Date F	iled	Priority Claimed [] Yes [] No
						[] Yes [] No
В.	All foreign application(s), if any, filed more than 12 months (6 months for design) prior to this U.S. application:					
	Country Applica Filing o	ation No:				
PRIORITY CLAIM (35 U.S.C. § 120)						
I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.						
	[X]	No such	applications have bee	n filed.		
	[] Such applications have been filed as follows:					
	Serial (None)		Filing Date	<u>Patented</u>	Pending	<u>Abandoned</u>

POWER OF ATTORNEY

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Full name of first or s	sole inventor: Barnes, Michael	
Inventor's signature_		Date:
Residence:	San Ramon, CA 12215 Santa Teresa Drive San Ramon, CA 94583 U.S.A.	Country of Citizenship: U.S.A.
Full name of second	inventor: Holland, John	
Inventor's signature:		Date:
Residence:	San Jose, CA 1565 Calaveras Avenue San Jose, CA 95126 U.S.A.	Country of Citizenship: U.S.A.
Full name of third inv	entor: Shan, Hongqing	
Inventor's signature:_		Date:
Residence: ————————————————————————————————————	Cupertino, California	Country of Citizenship: U.S.A.
Full name of fourth ir	iventor: Pu, Bryan Y.	
Inventor's signature:_		Date:
Residence: Post Office Address:	San Jose, CA 3064 Rosato Court San Jose, CA 95135 U.S.A.	
		Country of Citizenship: China

Full name of fifth inv	entor: Jain, Mohit	
Inventor's signature:		Date:08/01/03
Residence: Post Office Address:	San Jose, CA 4754 San Tropico Court San Jose, CA 95135 U.S.A.	
	0.0.A.	Country of Citizenship: India
Full name of sixth in	ventor: Sui, Zhifeng	
Inventor's signature:_		Date:
Residence: Post Office Address:	Fremont, California 41706 Covington Drive Fremont, California 94539 U.S.A.	
		Country of Citizenship: U.S.A.
Full name of seventh	inventor: Armacost, Michael D.	·
Inventor's signature:_ Residence:	San Jaco CA	Date:
Post Office Address:	San Jose, CA 6577 Springpath Lane San Jose, CA 95120 U.S.A.	
		Country of Citizenship: U.S.A.
Full name of eighth in	ventor: Hanson, Neil E.	
Inventor's signature:_	Carto Clara CA	Date:
Residence: Post Office Address:	Santa Clara, CA 1610 Nantucket Circle, #117 Santa Clara, CA 95014 U.S.A.	
		Country of Citizenship: United Kingdom
Full name of ninth inv	rentor: Ma, Diana Xiaobing	
Inventor's signature:_		Date:
Residence: Post Office Address:	Saratoga, CA 19600 Kilt Court Saratoga, CA 95070 U.S.A.	
		Country of Citizenship: U.S.A.

ruii name or tentn inv	/entor: Sinna, Asnok K.	
Inventor's signature:_		Date:
Residence: Post Office Address:	Palo Alto, CA 4176 Hubbartt Drive Palo Alto, CA 94306 U.S.A.	
		Country of Citizenship: U.S.A.
Full name of eleventh	n inventor: Maydan, Dan	
Inventor's signature:_		Date:
Residence: Post Office Address:	Los Altos Hills, CA 12000 Murietta Lane Los Altos Hills, CA 94022 U.S.A.	
		Country of Citizenship: U.S.A.

(Declaration ends with this page)